

**I. Amendments to the Claims**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims**

Claims 1-25. (Cancelled)

Claim 26. (Previously Presented) A method of treating a mammal having metabolic abnormalities resulting from insulin resistance comprising orally administering a solid or liquid composition consisting essentially of an effective amount of a polymethoxyflavone composition consisting of nobiletin and tangeretin, wherein said polymethoxyflavone composition is administered in an amount of up to 5000 mg/day or up to 70 mg/kg/day based on the weight of said mammal, said composition reducing serum insulin levels by at least about 26%.

Claim 27. (Previously Presented) A method of treating a mammal having metabolic abnormalities resulting from insulin resistance comprising orally administering a solid or liquid composition comprising an effective amount of a polymethoxyflavone composition consisting of nobiletin and tangeretin, wherein the polymethoxyflavone composition does not comprise any other polymethoxyflavones and wherein said polymethoxyflavone composition is administered in an amount of up to 5000 mg/day or up to 70 mg/kg/day based on the weight of said mammal, said composition reducing serum insulin levels by at least about 26%.

Claim 28-29. (Cancelled)